

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application.

**Listing of Claims:**

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Claim 1 (canceled)

Claim 2 (currently amended): ~~The audio communications control system according to Claim 1;~~ An audio communications control system useful in training operations on tactical systems communications equipment onboard a ship, the audio communications control system comprising:

ship communications equipment wherein the ship communications equipment comprises communications equipment selected from the group consisting of a tactical radio telephone system, an interphone system, a sound power telephone system, and a surface ship telephone system, the ship communications equipment being operable from a plurality of remote locations onboard a ship for communication with a centralized control center, the ship communications equipment including a plurality of audio communications systems, wherein at least one of the plurality of audio communications systems includes audio equipment and signal processing;

a tactical training system operable with the central control center for interfacing with tactical equipment distributed through the plurality of remote locations, the tactical training system providing a communications connection to a wide area network (WAN) for communicating with other ships participating in a training exercise;

a headset having a left speaker, a right speaker, and a microphone for providing an operator with voice transmission;

an audio interface operable between the tactical training system and the headset, the audio interface providing an electrical connection to the ship communications equipment for operation therewith, the audio interface switching discrete audio communications connections from any ship communications equipment and routing

audio signals representative of the discrete connections to each of the left speaker and the right speaker, and from the microphone of the headset; and

an operator control interface operable with the audio interface for controlling the routing and switching of the audio signals, the operator control interface including an interactive graphical display for selection of the communications equipment to be operable with the headset.

Claim 3 (currently amended): The audio communications control system according to Claim 2 [[1]], wherein the tactical training system comprises a battle force tactical trainer.

Claim 4 (currently amended): The audio communications control system according to Claim 2 [[1]], wherein the audio interface comprises a central processing unit operable with the operator control interface for processing control functions thereof, and wherein the central processing unit receives input from a computer mouse for selection of the routing and switching.

Claim 5 (currently amended): The audio communications control system according to Claim 2 [[1]], further comprising:

- a personal computer operable with the audio interface;
- a monitor operable with the personal computer for displaying the graphical display; and
- an input device for operation with the operator control interface.

Claim 6 (original): The audio communications control system according to Claim 5, wherein the input device comprises a computer mouse operable with the monitor for selecting the communications system and routing of audio signals to the headset.

Claim 7 (currently amended): The audio communications control system according to Claim 2 [[1]], wherein the audio interface includes a network control module for sending and receiving network packets of information across the WAN.

Claim 8 (currently amended): The audio communications control system according to Claim 2 [[1]], wherein the audio interface includes a digital signal processor for converting analog audio signal received from the communications equipment into a digital signal for processing thereof.

Claim 9 (original): The audio communications control system according to Claim 8, further comprising a time encoder operable with a global positioning system for time stamping of audio packets transmitted and received via the WAN.

Claim 10 (currently amended): The audio communications control system according to Claim 2 [[1]], wherein the graphical display of the operator control interface comprises left and right channel graphical user interface buttons for selection of a desired audio connection to the communications equipment.

Claim 11 (currently amended): ~~The audio communications control system according to Claim 1,~~ An audio communications control system useful in training operations on tactical systems communications equipment onboard a ship, the audio communications control system comprising:

ship communications equipment operable from a plurality of remote locations onboard a ship for communication with a centralized control center, the ship communications equipment including a plurality of audio communications systems, wherein at least one of the plurality of audio communications systems includes audio equipment and signal processing;

a tactical training system operable with the central control center for interfacing with tactical equipment distributed through the plurality of remote locations, the tactical training system providing a communications connection to a wide area network (WAN) for communicating with other ships participating in a training exercise;

a headset having a left speaker, a right speaker, and a microphone for providing an operator with voice transmission;

an audio interface operable between the tactical training system and the headset, the audio interface providing an electrical connection to the ship communications equipment for operation therewith, the audio interface switching discrete audio communications connections from any ship communications equipment and routing audio signals representative of the discrete connections to each of the left speaker and the right speaker, and from the microphone of the headset; and

an operator control interface operable with the audio interface for controlling the routing and switching of the audio signals, the operator control interface further including an interactive graphical display for selection of the communications equipment to be operable with the headset, wherein the graphical display of the operator control interface comprises scenario control buttons for selection of a desired virtual frequency channel of the WAN for input to one of the left speaker and the right speaker, as desired.

Claim 12 (currently amended): ~~The audio communications control system according to Claim 1,~~ An audio communications control system useful in training operations on tactical systems communications equipment onboard a ship, the audio communications control system comprising:

ship communications equipment operable from a plurality of remote locations onboard a ship for communication with a centralized control center, the ship communications equipment including a plurality of audio communications systems, wherein at least one of the plurality of audio communications systems includes audio equipment and signal processing;

a tactical training system operable with the central control center for interfacing with tactical equipment distributed through the plurality of remote locations, the tactical training system providing a communications connection to a wide area network (WAN) for communicating with other ships participating in a training exercise;

a headset having a left speaker, a right speaker, and a microphone for providing an operator with voice transmission;

an audio interface operable between the tactical training system and the headset, the audio interface providing an electrical connection to the ship communications equipment for operation therewith, the audio interface switching discrete audio

communications connections from any ship communications equipment and routing audio signals representative of the discrete connections to each of the left speaker and the right speaker, and from the microphone-of the headset; and

an operator control interface operable with the audio interface for controlling the routing and switching of the audio signals, the operator control interface further including an interactive graphical display for selection of the communications equipment to be operable with the headset, wherein the graphical display of the operator control interface comprises an interphone button for accessing equipment within an interphone communications system through selection on a speed dial menu.

Claim 13 (currently amended): The audio communications control system according to Claim 2 [[1]], wherein the graphical display comprises a graphical user interface display that is reconfigurable to a desired communications system display.

Claims 14-17 (canceled)

Claim 18 (previously presented): An audio communications control system comprising:  
a single headset having a left speaker, a right speaker, and a microphone for providing an operator with voice transmission;

an audio interface for operating between a plurality of audio communications equipment and the single headset, the audio interface providing an electrical connection to the plurality of voice communications systems for operation therewith, the audio interface switching discrete audio communications signals therefrom and routing the audio signals to one of the left speaker and the right speaker, and from the microphone of the headset;

an operator control interface operable with the audio interface for controlling the routing and switching of the audio signals, the operator control interface including a display for viewing by the operator and manual selection of the discrete audio communications signals to be operable with the single headset; and

the audio communications equipment operable from a plurality of remote locations for communication with a centralized control center, the communications

equipment including a plurality of audio communications systems, wherein at least one of the plurality of audio communications systems includes audio equipment and signal processing wherein the communications equipment includes communications equipment selected from the group consisting of a tactical radio telephone system, an interphone system, a sound power telephone system, and a surface ship telephone system.

Claims 19-27 (canceled)

Claim 28-35 (canceled):

Claim 36 (currently amended): ~~The communications method according to Claim 35, A~~  
method for communicating with a plurality of voice communications systems, within a  
global positioning system the method comprising the steps of:

providing a single headset having a left speaker, a right speaker, and a  
microphone for providing an operator with voice transmission;

electrically connecting an audio interface between a plurality of audio  
communications systems and the single headset, the audio interface switching discrete  
audio communications signals from the plurality of audio communications systems and  
routing the discrete audio signals to one of the left speaker and the right speaker, and  
from the microphone of the headset in response to a command from an operator;

providing a graphical user interface operable with the audio interface for  
controlling the routing and switching of the audio signals, the operator control interface  
including a push button styled display for viewing by the operator and manual selection  
of discrete audio communications signals for operating with the headset, wherein the  
display of the operator control interface comprises a graphical user display including  
scenario control buttons for selection of a desired virtual frequency channel of the WAN  
for input to one of the left speaker and the right speaker, as desired;

operating the graphical user interface for connection to a first discrete audio  
communications system and routing a first discrete audio signal to one of the left speaker  
and the right speaker of the single headset;

operating the graphical user interface for connection to a second discrete audio communications system and routing a second discrete audio signal to another of the left speaker and the right speaker of the single headset;

operating the graphical user interface for connection of the microphone of the headset to a third discrete audio communications system.

selecting control buttons of the graphical user interface for communication between the headset and a wide area network (WAN), wherein the audio interface includes a network control module for sending and receiving network packets of information across the WAN; and

time encoding a recording of voice communications using [[a]] the global positioning system for time stamping of audio packets transmitted and received via the WAN.

Claim 37 (canceled)

Claim 38 (canceled)

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